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| TRANSMITTAL LETTER | THE UNITED STATES |
|-------------------------|-----------------------|
| DESIGNATED/ELECTED (| OFFICE (DO/EO/US) |
| CONCERNING A SUBMISSION | N UNDER 35 U.S.C. 371 |

ATTORNEY CKET NUMBER BRV.10039

U.S. APPLICATION NO. (If Isrown, see 27 CFRst.5)

| CONCERNING A SUBMISSIO | Unassigned 10/534611 | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| INTERNATIONAL APPLICATION NO. PCT/FR2003/050126 | INTERNATIONAL FILING DATE November 20, 2003 | PRIORITY DATE CLAIMED November 21, 2002 | | | | | | |
| TITLE OF INVENTION Method of Preparation | | phous or Crystalline Aluminas, Aluminates and nium Allov | | | | | | |
| APPLICANT(S) FOR DO/EO/US Michel BEAUVY, Jean-Louis VIGNES, Daniel MICHEL, Leo MAZEROLLES, Claude FRAPPART, | | | | | | | | |
| and Thomas DiCOSTANZO Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | | | | |
| 1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | | |
| 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | | |
| 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | | | | | | |
| 4. The US has been elected (Article 31). | | | | | | | | |
| 5. A copy of the International Application | A copy of the International Application as filed (35 U.S.C. 371(c)(2)) | | | | | | | |
| a. is attached hereto (required | a. is attached hereto (required only if not communicated by the International Bureau). | | | | | | | |
| b. has been communicated by | b. has been communicated by the International Bureau. | | | | | | | |
| c. is not required, as the applic | c. is not required, as the application was filed in the United States Receiving Office (RO/US). | | | | | | | |
| 6. An English language translation of the | e International Application as filed (35 U.S. | C. 371(c)(2)). | | | | | | |
| a. is attached hereto. | | | | | | | | |
| | ted under 35 U.S.C. 154(d)(4). | | | | | | | |
| 7. Amendments to the claims of the Inte | rnational Application under PCT Article 19 | (35 U.S.C. 371(c)(3)) | | | | | | |
| a. are attached hereto (requi | a. are attached hereto (required only if not communicated by the International Bureau). | | | | | | | |
| b. have been communicated | b. have been communicated by the International Bureau. | | | | | | | |
| c. have not been made; how | c. have not been made; however, the time limit for making such amendments has NOT expired. | | | | | | | |
| d. have not been made and v | will not be made. | | | | | | | |
| 8. An English language translation of th | e amendments to the claims under PCT A | Article 19 (35 U.S.C. 371(c)(3)). | | | | | | |
| 9. An oath or declaration of the inventor | (s) (35 U.S.C. 371(c)(4)). | | | | | | | |
| An English language translation of the Article 36 (35 U.S.C. 371(c)(5)). | e annexes of the International Preliminary | M | | | | | | |
| Items 11 to 20 below concern document(s |) or information included: | 7 | | | | | | |
| 11. An Information Disclosure Statement | under 37 CFR 1.97 and 1.98. | À | | | | | | |
| 12. An assignment document for recording | ng. A separate cover sheet in compliance v | with 37 CFR 3.28 and 3.31 is included. | | | | | | |
| 13. A preliminary amendment. | | · 👼 | | | | | | |
| 14. An Application Data Sheet under 37 | CFR 1.76. | with 37 CFR 3.28 and 3.31 is included. | | | | | | |
| 15. A substitute specification. | | | | | | | | |
| 16. A power of attorney and/or change of | f address letter. | 2 | | | | | | |
| 17. A computer-readable form of the seq | uence listing in accordance with PCT Rule | e 13ter.2 and 37 CFR 1.821- 1.825. | | | | | | |
| 18. A second copy of the published Inter | national Application under 35 U.S.C. 154(o | d)(4). | | | | | | |
| 19. A second copy of the English langua | ge translation of the international application | on under 35 U.S.C. 154(d)(4). | | | | | | |
| 20. Other items or information: Copy of I | nt. Pub. No. WO 2004/048270, PCT/IB/ | 304, Unexecuted Dec., IPER, and ISR | | | | | | |

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No. FV 613 033 366 US

Jennie Snead

Date of Deposit: 05/11/05

JC14 Rec'd PCT/PTO 11 MAY 2005

PTO-1390 (Rev. 02-2005) for use through 3/31/2007. OMB 0651-0021 ffice; U.S. DEPARTMENT OF COMMERCE fless it displays a valid OMB control number.

U.S. Patent and Trade
Under the Paperwork Reduction Act 5, no persons are required to respond to a collection of information and the second sec

| U.S. APPLICAT | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | | | | |
|--|---|--|--------------------------|------------------------|-----------------------|----|--|
| Unassigned | nassigned 10/534611 PCT/FR2003/050126 | | BRV.10039 | | | | |
| The following fees have been submitted | | | CALCULATIONS | PTO USE ONLY | | | |
| 21. | | | \$ 300.00 | | | | |
| 22. | | | \$ 200.00 | | | | |
| 23. Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | | \$400.00 | | | | |
| | TOTAL OF 21, 22 | 2 and 23 = | | | \$ 900.00 | | |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction RATE thereof (round up to a whole number) | | | | | |
| - 100 = | /50 = | | | x \$250 | \$ | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). | | | | | \$ | | |
| CLAIMS | NUMB | ER FILED | NUMBER EXTRA | RATE | \$ | | |
| Total claims | | 49 - 20 = | 29 | x \$ 50 | \$ 1450.00 | | |
| Independent cla | ims | 2 -3= | | x \$200 | \$ | | |
| MULTIPLE DEP | ENDENT CLAIM(S | (if applicable) | | + \$360 | \$ | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | | \$ | | |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | | | | |
| SUBTOTAL = | | | | \$ 2350.00 | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | \$ | | | | |
| TOTAL NATIONAL FEE = | | | | \$ 2350.00 | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | | | \$ | | | |
| TOTAL FEES ENCLOSED = | | | | \$ 2350.00 | | | |
| | | | | Amount to be refunded: | \$ | | |
| | | | | | Amount to be charged: | \$ | |
| I | | | to cover the abo | | | | |
| b. Please charge my Deposit Account No. 50-3218 in the amount of \$ 2350.00 to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | | | | |
| c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3218 A duplicate copy of this sheet is enclosed. | | | | | | | |
| d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | B. Grant | | | | |
| Hutchison & Mason PLLC SIGNATURE | | | U. Aywiy | | | | |
| P.O. Box 31686 Raleigh, North Carolina 27612 (919) 829-9600 Mary B. Grat NAME | | | | | | | |
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